

Technical Data Sheet



THICK FILM MATERIALS

Product Type: Polymer Thick Film

Product Name: LTC3601

Thin Print High Conductivity Silver Conductor

Description

LTC3601 is a general purpose high conductivity silver ink for screen printing and flexographic printing onto membrane switches.

Key Benefits

- High conductivity
- Compatible with general purpose carbon ink (CL20-10689)
- Compatible with UV dielectric (UVD5801)
- Compatible with UV curable spacer ink (CL99-10691)
- Smooth cured film surface
- Compatible with treated and untreated polyester films

Recommended Processing Guidelines

Printing:

150 – 325 stainless steel mesh or polyester screen
0.3 – 0.5 mil emulsion thickness

Cleaning:

Clean tools and screen resin with Acetone or similar solvent.

Curing:

110 °C for 10 minutes
120 °C for 5 minutes

Cured Thickness:

6 – 8 microns

Recommended Substrates:

Treated and untreated polyester

Thinner:

LC-3568

Warranty

Material guaranteed to meet specifications for 4 months from date of shipment in unopened container

Handling & Precautions:

Use in a well-ventilated area.
Avoid contact with skin.
Wash with soap and water.

Storage

Refrigerate at 5 °C – 10 °C to ensure proper performance of shelf life.
Allow paste to come to room temperature prior to opening. Spatulate well before using, as settling may occur during storage.

SPECIAL NOTE:

Some of these materials may show resistance shifts due to thermal storage. Stability baking has been shown to minimize this behavior.

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Typical Properties

Resistivity:

< 15 milliohms/square/mil
when cured at 110 °C for 10 minutes

Adhesion:

Cross Hatch Tape Test Method
PET ≥ 4B cross hatch

Solvent Resistance:

Alcohol/IPA wipe - Good

Viscosity:

8 – 20 Kcps Brookfield HBT
SC4 -14 spindle and 6R utility cup @ 10 rpm, 25 °C

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